

Title (en)

ENERGY EFFICIENT MANUFACTURING PROCESS FOR PREPARING N,O-TRIGLYCIDYL AMINOPHENOLS

Title (de)

ENERGIEEFFIZIENTES HERSTELLUNGSVERFAHREN ZUR HERSTELLUNG VON N, O-TRIGLYCIDYLAMINOPHENOLEN

Title (fr)

PROCÉDÉ DE FABRICATION ÉCONOME EN ÉNERGIE SERVANT À PRÉPARER DES N,O-TRIGLYCIDYLAMINOPHÉNOLS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2015174936A1] The invention relates to an improved process for making monomelic triglycidyl compounds, wherein the triglycidyl compounds include N, O-triglycidyl compounds containing at least one primary aromatic amine and one phenolic functional group attached to the same or a different aromatic ring. The methods of the present invention result in the production of N, O-triglycidyl compounds, such as those of formula I and II. The improved process is energy efficient, environment friendly, and results in increased yields of product. The methods of the present invention can be performed in the absence of protic organic co-solvents during the reaction of an epihalohydrin with an aminophenol, such as compounds of formula III and IV, which provides an intermediate halohydrin compound. The methods of the present invention may also be performed in the absence of a phase transfer catalyst.

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